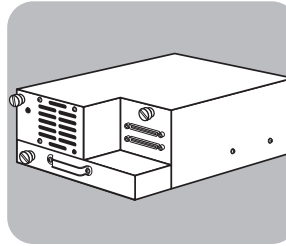


hp
StorageWorks

ESL E-Series Tape Drive Upgrade

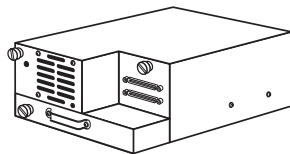
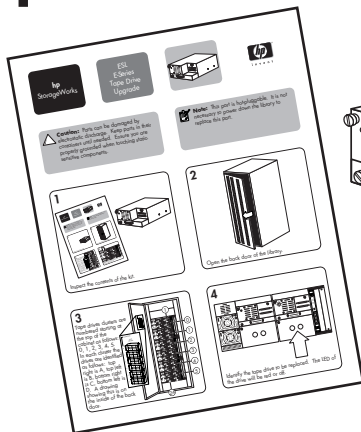


Caution: Parts can be damaged by electrostatic discharge. Keep parts in their containers until needed. Ensure you are properly grounded when touching static-sensitive components.



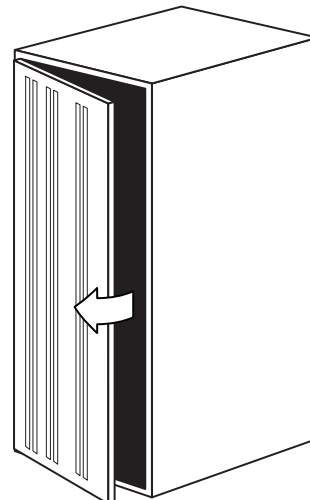
Note: This part is not hot-pluggable. It is necessary to power down the library to replace this part.

1



Inspect the contents of the kit.

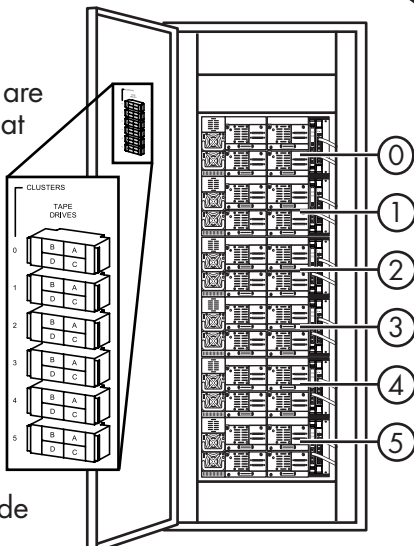
2



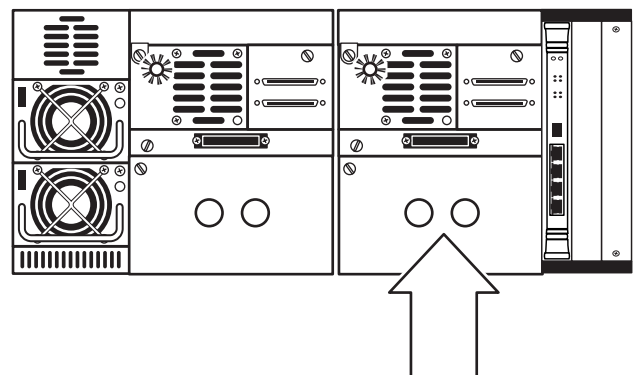
Open the back door of the library.

3

Tape drive clusters are numbered starting at the top of the cabinet as follows: 0, 1, 2, 3, 4, 5. In each cluster the drives are identified as follows: top right is A, top left is B, bottom right is C, bottom left is D. A drawing of the cluster is located on the inside of the back door.



4



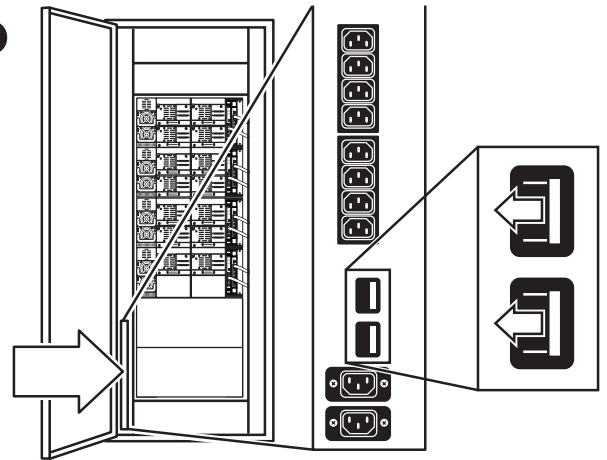
Identify the location for the new tape drive.

5

Power off the library.

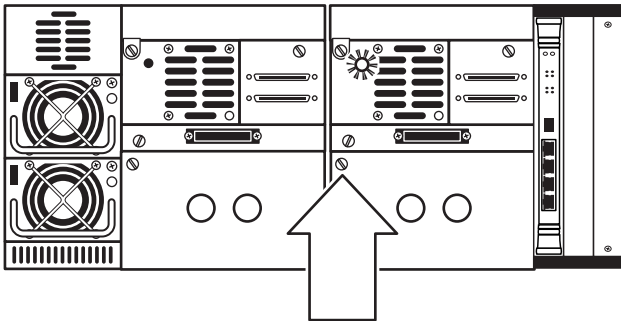
- a. Use your backup software to empty the picker or to verify that the picker is empty.
- b. Place the library off-line by pressing the **Standby** button on the library's front panel.
- c. Verify that the front panel display indicates "System Off-line".
- d. Press and hold the **power** button, located on the front of the library behind the laptop tray, until the front panel goes blank.

6



Flip the two breaker switches off (to the left) at the power distribution unit.

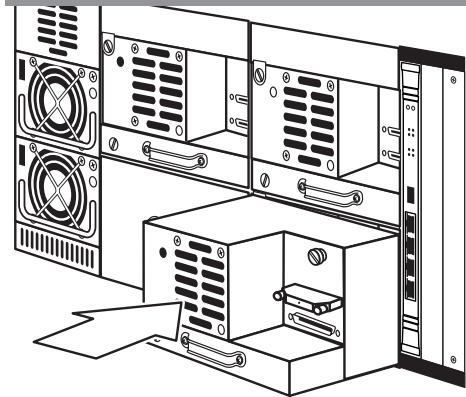
7



Remove the plate that covers the drive bay in which the drive will be installed.

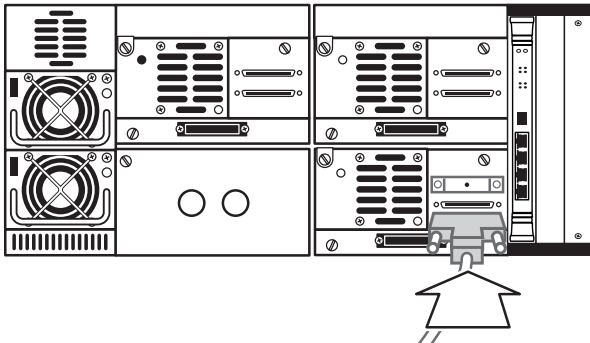
8

Installation



Slide the upgrade drive into the drive cluster and tighten the captive screw.

9

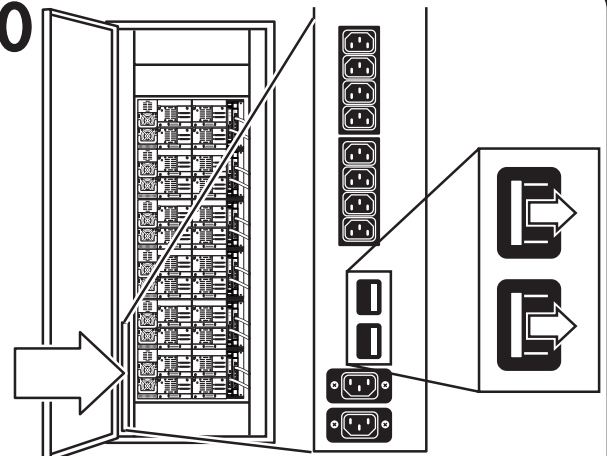


Attach the SCSI cable to the new drive module.



Note: The cable should already be in place from the interface controller installation procedure.

10



Flip the two breaker switches on at the power distribution unit.

11

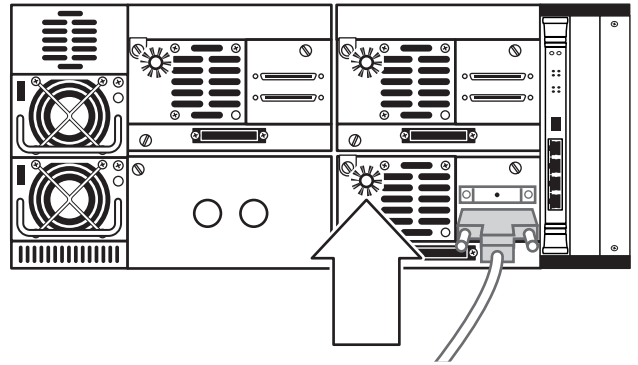
Power on the library.

- Verify that power cables are firmly in place.
- Press the power button located behind the laptop tray.
- After several seconds, verify that the current state of the library appears in the System State display on the front panel ("System On-line" or "System Off-line").



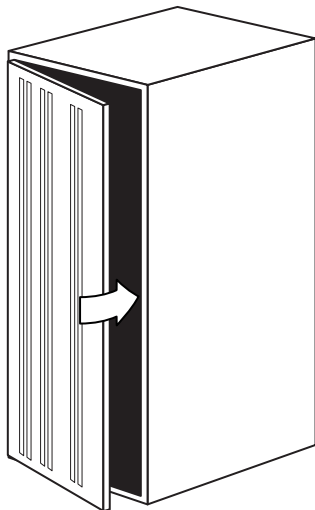
Note: To change the state, press the **Standby** button on the front panel. This toggles the library between on-line and off-line states.

12



Check to see that the drive LED is green, and that the cluster controller LED also shows green for the upgraded drive.

13



Close the back door of the library.

14

Configuration

Configure the library to the correct number of tape drives.

- Select **Setup** from the **Menu** screen on the OCP.
- Enter the 6 digit password.
- Use the **Down** button to move to **Configured Drives**, then press **Select**.
- Use the **Down** button to change the drive count to the actual number of drives.
- Press **Select** to save the configuration.

15

Reboot the system.

- Select **OK** when prompted to reboot the system.
- From **Main**, select the **Ops** button.
- Press the **Select** button to select **Cabinet**.
- Use the **Up** or **Down** button to change the setting from **Offline** to **Reboot**, then press **Select**.
- Select **Yes** at the confirmation screen.

Getting help

- HP product information:
<http://www.hp.com/products/tapestorage>
- HP technical support and phone numbers:
<http://www.hp.com/support>
- HP StorageWorks Library and Tape Tools (L&TT) diagnostic software:
<http://www.hp.com/support/tapetools>
- Interface Manager and HP StorageWorks Command View ESL:
<http://www.hp.com/support/cvesl>

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